

CLAIMS

- [001] A coffee machine for preparing coffee, in particular based on coffee pads, which comprises a continuous flow heater (38) secured in a housing with a pipe (40) for guiding water, which has a flexible tube connecting piece (66, 68) at least at one end, characterised in that the at least one flexible tube connecting piece (66, 68) is provided with receiving elements (84, 86) for integrating additional components of the coffee machine.
- [002] The coffee machine according to claim 1, characterised in that a safety valve (82), temperature sensor and/or a reed switch (62) as a water level sensor is provided as an additional component.
- [003] The coffee machine according to claim 1 or claim 2, characterised in that the at least one flexible tube connecting piece (66, 68) is made of plastic, in particular is made of high-temperature resistant plastic.
- [004] The coffee machine according to any one of the preceding claims, characterised in that the flexible tube connecting piece (66, 68) is provided with securing means (74, 76, 78, 80) for securing the continuous flow heater (38) in the housing.
- [005] The coffee machine according to claim 4, characterised in that the securing means (74, 76, 78, 80) is provided with receiving elements (84, 86) for integrating additional components of the coffee machine.
- [006] The coffee machine according to claim 5, characterised in that a safety valve (82), temperature sensor and/or a reed switch (62) as a water level sensor is provided as an additional component.
- [007] The coffee machine according to any one of the preceding claims, characterised in that the pipe (40) of the continuous flow heater (38) is thermally connected to at least one,

preferably two heating rods (42, 44) by means of at least one flat contact surface (88, 90).

[008] The coffee machine according to any one of the preceding claims, characterised in that the arrangement of pipe (40) and heating rods (42, 44) is held together by a sleeve (64).

[009] The coffee machine according to claim 8, characterised in that a temperature sensor (56) is provided on the sleeve (64).

[010] The coffee machine according to any one of the preceding claims, characterised in that the at least one flexible tube connecting piece (66, 68) comprises sealing means (70, 72) which abut against an inner wall of the pipe (40) by which means the at least one flexible tube connecting piece (66, 68) is connected to the ends of the pipe (40) in a sealed manner.

[011] The coffee machine according to claim 10, characterised in that the sealing means (70, 72) is formed by an O-ring seal inserted in an annular groove on the outer circumference of the flexible tube connecting piece (66, 68).

[012] The coffee machine according to claim 11, characterised in that at least two axially spaced O-ring seals (70, 72) are provided on the flexible tube connecting pieces (66, 68).

[013] The coffee machine according to any one of the preceding claims, characterised in that the flexible tube connecting piece (66, 68) is embodied as conical and is inserted in a corresponding conical end of the pipe (40).